

PRIORITY
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DEC 16 '72 1596

PT10ZYUW RUHUSLC0640 3510941-0000--RUHHAB

ZNR 00000

P R 152330Z DEC 72

FM USAEC/ROGER RAY/ENIWETOK MI

TO RHA/ELAA/ E GATES/LAS VEGAS NEV

INFO RHEGAAA/USAEC/GEN F A CANM/GERMANTOWN

RHEGAAA/USAEC/T MCCRAW DOS/GERMANTOWN MD

RHEGAAA/USAEC/E HELD DIR REGULATORY/GERMANTOWN MD

RHNNER/UNIV OF CALIF/WALTER NERVIK/LIVERMORE CA

RUHHABA/USAEC/PASO/ W B HILLS/HONOLULU HI

BT

UNCLAS

PHASE I SURVEY STATUS REPORT NO. 24

THIS RESUMES THE SERIES OF ENIWETOK RADIOLOGICAL SURVEY STATUS REPORTS INTERRUPTED BY LOSS OF VOICE AND TELETYPE COMMUNICATIONS NIGHT OF THURSDAY DEC 7. FULL COMMUNICATIONS RESTORED LATE WEDNESDAY DEC 13. THIS REPORT COVERS THE PERIOD DEC 7 THRU DEC 14.

SUPPORT TO DNA ENGR SURVEY: H&N FIELD EFFORT HAVING REACHED APPROX 90 PCT COMPLETION, AEC SUPPORT THERETO WAS REDUCED ON DEC 13 TO ONE MAN.

AIR SAMPLING: ALTHOUGH SOMEWHAT HAMPERED BY EQUIPMENT

PAGE 2 RUHUSLC 0076 UNCLAS

FAILURES GENERALLY ATTRIBUTABLE TO UNATTENDED OPERATION IN A HOSTILE ENVIRONMENT, PROGRAM HAS CONTINUED TO PRODUCE. FIRST WEEK'S COLLECTION WAS MADE ON YVONNE DEC 9,

AND A LAST SAMPLE WAS COLLECTED AT JANET DEC 10.

ENIWETOK STATION CONTINUES NORMAL OPERATION. LARGE VOLUME SAMPLER RETURNED FROM JANET HAD LOST ALL CRANKCASE OIL THRU BROKEN FITTING BUT HAS NOW BEEN REPAIRED AND IS OPERATING ON SALLY.

TLD INTEGRATED DOSE SURVEY: CALIBRATION AND FADING EVALUATIONS COMPLETED DEC 8. RESULTS ENCOURAGING. AFTER SOME INITIAL DIFFICULTY WITH ANNEALING OVEN, LOADING WAS ACCOMPTISHED IN TIME TO MAKE MAXIMUM USE OF RADIOLOGICAL

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37

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REPOSITORY	DOE/PASO
COLLECTION	DOE/NV
BOX No.	1234
FOLDER	ENIWETOK RADIOLOGICAL SURVEY 6/72-11/76

DEC 18 1972

☒ Action ☐ Info ☐ File

ROUTING	
A	DIRECTOR <i>imh</i>
I	ADM. ENGR <i>imh 12/22</i>
	PROJ. ENGR.
	SECRETARY
SEND COPY TO:	
NV	
H&N	
J.A.	
Other	

SUBJECT FILE

SUPPORT PERSONNEL PRIOR TO THEIR DEC 13 DEPARTURE. BY DEC 12 SET-OUT OF TLD'S WAS 75 PERCENT COMPLETE WITH APPROX 75 EMPLACED ON ALICE, BELLE, CLARA, DAISY, IRENE AND PEARL. WEDNESDAY DEC 13 WAS DEVOTED TO LOADING AND THURSDAY TO EMPLACEMENT OF 35 TLD'S AT 28 JANET STATIONS. REMAINING ARE YVONNE AND ENIKETOK.

MARINE REEF GROUP: ON DEC 7 AND 8 CONTINUED IN SITU UNDERWATER PROBE SURVEY OF YVONNE LAGOON, ACCOMPANIED

PAGE 3 RUWJSLC 0076 UNCLAS

BY BOTTOM SEDIMENT SAMPLING. SIMILAR PROGRAM PURSUED OFF ENIKETOK AND PARRY DECEMBER 9, FOLLOWED BY A RETURN TO YVONNE FOR MORE DETAILED DOCUMENTATION OF SEVERAL HOT SPOTS EXTENDING OUT TO 65 FT DEPTH. DEC 14 DEVOTED TO IRENE (BOGON) AND THE SEMINOLE CRATER. BOTTOM SEDIMENT SAMPLES WERE TAKEN AND SOME MARINE SPECIMENS COLLECTED.

MARINE DEEP LAGOON GROUP: DEC 7 PLANKTONTOWS AND FISH COLLECTION IN THE WIDE IAS AGE. LCU COMPLETED 3 DAY NORTH LAGOON TRIP WITH 14 WATER AND GRAB SAMPLE STATIONS. DEC 8 RESUPPLY AND GEAR MAINTENANCE, PLOT SAMPLE LOCATIONS. DEC 9 DEEP CHANNEL PLANKTON TOWS AND GRAB AND WATER SAMPLES IN AND OUTSIDE CHANNEL AND IN WIDE PASSAGE. DEC 10 GRAB AND WATER SAMPLES WEST AND NW QUADRANTS. DEC 11 AND 12 HAND CORES, WATER AND GRAB SAMPLES FROM NORTH AND NORTHWEST INCLUDING MIKE AND NOA CRATERS. DEC 13 RESUPPLY AND REFIT. DEC 14 CORES AND GRAB SAMPLES SE QUADRANT. BOSTONWHALER MADE 1 PLANKTON TOW THEN FORCED TO RETURN BY BAD WEATHER. PRINCIPAL DEFICITS IN THE PROGRAM ARE PLANKTON AND DREDGING. UNLIKELY TO BE MADE UP BEFORE DEC 20 ESPECIALLY IF WEATHER WORSENS.

PAGE 4 RUWJSLC 0076 UNCLAS

SUPPORT HAS BEEN GENERALLY ADEQUATE. COMMUNICATION OUTAGE OF ALMOST ONE WEEK DURATION WAS CAUSED BY FAILURE OF BEAM POWER TUBE WITH NO SPARE ON HAND DUE TO SEVERAL EARLIER FAILURES ALL ATTRIBUTED TO ELECTRICAL POWER OUTAGES AND SURGES. AFTER HAVING BEAM POWER TUBES ON BACK ORDER SINCE MAY 1972, COMM CTR HA FINALLY GOTTEN A RESPONSE TO

EMERGENCY REQUISITION. LCM IS FINALLY IN SERVICE ONE LCPL TEMPORARILY OUT OF SERVICE FOR REPAIRS FOLLOWING CORAL HEAD GROUNDING.

SINCE DEC 13 WE HAVE BEEN WATCHFUL BUT NOT SERIOUSLY CONCERNED ABOUT TROPICAL STORM VIOLET DEVELOPING IN THE SAME AREA AS OLGA AND INITIALLY FORECAST FOR AN ENIKETOK VISIT. VIOLET NOW APPEARS TO BE TRENDING SOUTH AND IN 151200Z SYNOPSIS IS DOWNGRADED TO TROPICAL DEPRESSION 33. PROBABLY NOT A MATTER FOR CONCERN BUT PROBABLY ALSO DUE TO SLOW DOWN BOAT OPERATIONS DURING PASSAGE. END OF PHASE II STATUS RPT NO 24.

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